Troubleshooting

	CONDITION	MEANING	RESOLUTION/ACTION
ALERTS & SILENCING	Alarm sounds and the red LED is blinking rapidly.	Smoke has activated the smoke alarm.	Vacate the building immediately and call the Fire and Emergency Services. See below False Alarm section below.
	Alarm sounds but the red LED if OFF.	Smoke has activated an interconnected alarm, located somewhere else in the building.	Vacate the building immediately and call the Fire and Emergency Services. See below False Alarm section below.
	Smoke alarm is sounding, it stops when Test/Hush is pressed.	Hush or silence feature has been activated for 10 minutes providing the smoke density does not increase.	Make sure you are safe and have put out the source of the smoke. See below False Alarm section below.
	Smoke alarm is sounding, it does not stop when Test/Hush is pressed.	Smoke density is too high for the Hush or Silence feature to activate.	Vacate the building immediately and call the Fire and Emergency Services. See below False Alarm section below.
	When Test/Hush button is pressed for 3 seconds alarm sounds briefly.	The smoke alarm horn is indicating that all electronic circuitry, horn and battery are working.	Normal test condition. Test regularly to ensure proper operation.
	When Test/Hush button is pressed for 3 seconds alarm does not sounds.	The smoke alarm may not be operating correctly.	Check and make sure that the green LED is ON and the red LED flashes once every 40 to 60 seconds. If problem persists contact an electrician for replacement.
BEEP	One audible beep every 40 to 60 seconds.	Low battery warning.	Replace the 9 V d.c. battery with a new battery.
	Two audible beeps every 40 to 60 seconds.	The smoke alarm may not be operating correctly.	Clean smoke alarm according to Maintenance, Repairs and Service section. If problem persists contact an electrician for replacement.
LED	Green LED ON.	240 V a.c. mains power ON.	Normal operating condition.
	Green LED OFF. Mains power may be disconnected.	240 V a.c. mains power OFF.	Check mains power ON. Main circuit breaker may have tripped. Wiring could be wrong.
	Red LED flashes every 40 to 60 seconds.	The smoke alarm is functioning correctly.	Normal operating condition.
	Red LED not flashing.	Battery may be reversed or no present or run completely flat.	Check and re-install or replace the battery.
	Red LED flashes very quickly (3 times per second) without sound	Neutral connection is bad or wiring wrong.	Check wiring and connection of smoke alarms with flashing red LED and rectify wiring issue immediately.
	Smoke alarm body will not close on the base.	9 V d.c. battery is not present.	Insert a new 9 V d.c. battery.

False Alarm

In the event of a false alarm (alarms are sounding without any smoke present):

- Identify which smoke alarm/s are being triggered – Look for the alarm/s with sound and red LED flashing.
- Unclip all identified smoke alarms, then all interconnected alarms will stop alarming in 1 minute.
- Clean smoke alarms in accordance with the Maintenance, Repairs and Service section.
- Re-install and test all the smoke alarms.

If all of the above fails, contact a licenced electrician for replacement.

Maintenance, Repairs and Service

Maintenance: It is recommended that the smoke alarm is inspected monthly to ensure it is free from dirt, dust and insects. The alarm can be vacuumed or brushed with a soft brush to remove dust, dirt or kitchen grease that has accumulated. Apply a small amount of insect surface spray to a cloth and wipe around alarm/s every 3-6 months to mitigate insect ingress.

ALWAYS TEST THE SMOKE ALARM AFTER CLEANING.

Repairs/Service: If the smoke alarm is defective in any way, do not tamper with the smoke alarm. The smoke alarm does not contain any user-serviceable parts.

Disposal: As the smoke alarm does not contain any radioactive material, disposal with normal rubbish is permitted in Australia and New Zealand.

Warranty

Schneider Electric (Australia) Pty Ltd, warrants this product to be free from defects in materials and workmanship for a period of 5 (five) years from the date of installation. Refer to the Schneider Electric terms of sale for full warranty conditions. http://www.schneider-electric.com.au/en/download/document/AU-TERMS-OF-SALE/

CLIPSAL by Schneider Electric

Australia
Schneider Electric (Australia) Pty Ltd
Customer Care Australia: 1300 369 233
e: customercare.au@schneider-electric.com
www.schneider-electric.com.au

New Zealand
Schneider Electric (NZ) Ltd
After hours service: 0800 735 4357
Customer Care NZ: 0800 652 999
e: sales@nz.schneider-electric.com
www.schneider-electric.com

FIRETEK® SMOKE ALARM 755PSMA4

240 V a.c. Mains Power Photoelectric Smoke Alarm with 9 V d.c. Battery Backup

CLIPSAL by Schneider Electric

PLEASE LEAVE THESE INSTRUCTIONS WITH THE OCCUPANT, TO BE RETAINED FOR THE LIFE OF THE ALARM.
THIS SMOKE ALARM MUST BE INSTALLED BY A LICENCED ELECTRICIAN.

Read all Instructions before Installation and Operation

Regular testing of this smoke alarm is necessary to ensure the unit is functional and that the battery is in good condition. It is recommended that the smoke alarm be replaced after 10 years of normal service. The only user-serviceable part is the replaceable backup battery. (Refer to 'Replacing the Backup Battery' on page 2). There are no other user-serviceable parts inside.

⚠ DANGER

RISK OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- This product must only be installed and serviced by appropriately qualified and/or licenced electrical personnel.
- This product must only be used for the purpose described in these instructions and must be installed in accordance with the wiring rules and regulations in that location.
- Hazard voltage may be present at the wire leads of this product.
- Isolate the electrical supply before doing any work on this product.
- Ensure that the product has been correctly installed and tested for safe operation before reconnecting the electrical supply.

Failure to follow these instructions will result in death or serious injury.

⚠ CAUTION

EQUIPMENT INSTALLATION HAZARD

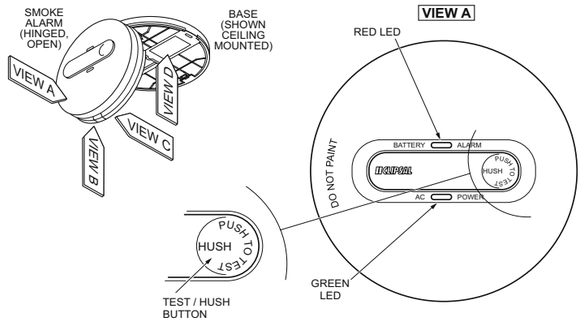
- Make sure active and neutral from mains power are wired to the correct terminals.
- Make sure green LED is ON when mains power is supplied.
- Make sure red LED is not flashing quickly.
- Test each interconnected unit 1 by 1. Press and hold the Test button until second burst of 3 beeps has finished. Check to ensure every interconnected unit alarms correctly. If any unit fails to alarm, check all wiring and connections.

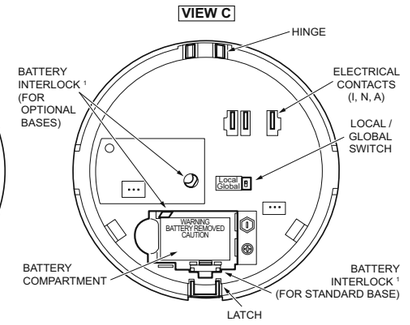
Failure to follow these instructions may result in equipment damage or injury.

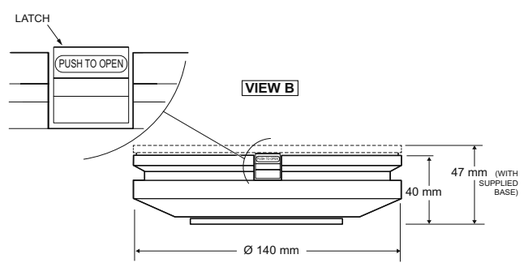
Specifications

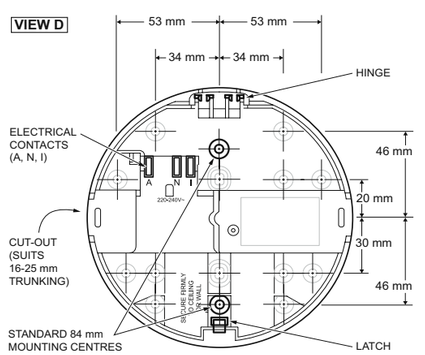
Main Power Source	220-240 V a.c., 50 Hz
Secondary Power Source	9 V d.c. carbon zinc or alkaline battery
Operating Current	≤40 mA
Battery Life	One year
Sensing Type	Photoelectric. This alarm contains NO radioactive material
Operating Temperature	0 °C to 45 °C
Ambient Humidity	5% to 95
Interconnecting	40 alarms over 150 metres maximum (20 alarms for wireless)

Terminal Provisions	Active, Neutral, Loop and Interconnect terminals, each accommodates 2 × 1.5 mm²
Horn Level	85 dB at three metres minimum
Visual Indicators	Green LED for mains power ON Red LED for warning and low battery indication
Alarm condition	Aural signal pattern (ISO 8201)
Approvals	Activfire SAI Global RCM
Complies with	AS 3786:2014, AS/NZS 60065 and AS/NZS 60950.1









NOTES:

1. The Battery Interlock (see VIEW C) prevents the smoke alarm from being closed unless a 9 V d.c. battery is correctly inserted in the Battery Compartment.
2. The Local/Global switch (see VIEW C) defines the relay trigger function on the optional 755RB relay base only.

Hush or Silence Feature

- This smoke alarm has a built-in Hush or Silence feature incorporated into the Test/Hush button.
- If cooking or other non-hazardous sources cause the alarm to sound, it can be temporarily silenced by pressing the Test/Hush button for 3 seconds. The alarm then enters a dormant period for 10 minutes.
- After the 10 minute dormant period, the smoke alarm will resume normal operation.

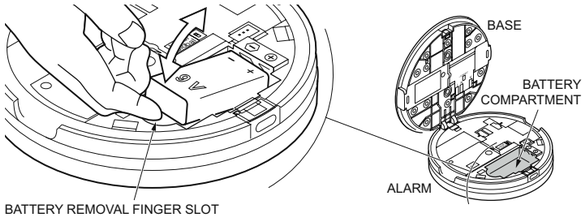
Note: After the Test/Hush button has been pressed, wait 10 minutes before any additional testing is conducted to avoid any abnormal responses as the smoke alarm is not sensitive to smoke during this period.

Replacing the Backup Battery

The backup power to the smoke alarm is supplied by a 9 V d.c. carbon zinc or alkaline battery. The battery should last at least one year under normal operating conditions. An audible beep every minute indicates the battery needs to be replaced. **It is recommended to replace the battery annually on a memorable day using are calendar reminder stickers provided.**

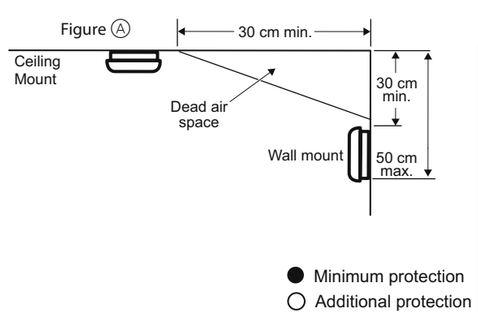
RECOMMENDED BATTERIES:

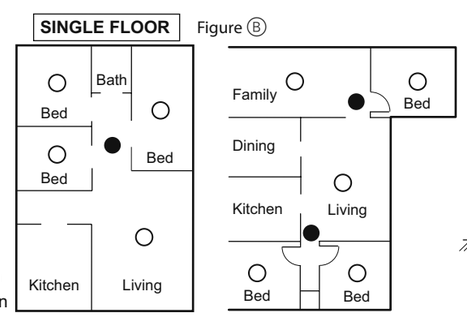
Energiser 522, Duracell MN1604, Eveready A5222 or 1222



Recommended location of Smoke Alarms

- This smoke alarm can be used in all residential homes.
- Install in existing homes in all living areas, hallways and bedrooms, and interconnect for complete home protection.
- Install into new homes to provide protection for all occupants within the entire home to meet new interconnection and bedroom regulations.
- When choosing a location for a smoke alarm, Figure A shows recommended installation of a minimum of 30 cm from a side wall and 30 cm from any corner, to avoid dead air space.
- Install smoke alarms closest to bedrooms and along exit paths from bedrooms. Locate alarms in each bedroom for additional protection, or as required by local legislation, as shown in Figures B and C. The minimum protection recommended is also shown.
- Locate smoke alarms in stairways in multi-story dwellings, as shown in Figure C, with an alarm on every floor level.
- Locate a smoke alarm in any area where a smoker sleeps or where electrical appliances are used in bedrooms.
- Smoke, heat and other combustion materials rise to the ceiling and spread horizontally. Mount a smoke alarm in the centre of the ceiling placing it closest to all points in the room.
- When mounting the smoke alarm on a wall, use an inside wall with min. 30 cm and max. 50 cm recommended distance from the ceiling or corner. As shown in Figure A.
- In mobile homes, wall mount on an inside partition to avoid the thermal barrier that may form in the ceiling.





Avoid installing Smoke Alarms in these locations

- Within 1 metre of heating and cooling supply vents or within 1 metre of return air or fresh air vents. Smoke may be blown away from the smoke alarm by the supply vents, or could be diffused or reduced by being diverted into the return air vent.
- In areas where the temperature may fall below 0 °C or rise above 45 °C. Smoke alarms are designed to operate only within these temperature ranges and failure to alarm, improper alarms or nuisance alarms may result from operation outside these temperature limits.
- In damp or very humid areas such as bathrooms or laundries, where the normal humidity may rise above 95%. Above this level, moisture may condense inside the smoke alarm and cause false alarms. The smoke alarm may also become unstable below 5% relative humidity.
- In areas where particles of combustion are normally present, such as garages or kitchens, as this can cause false alarms.
- In dusty or dirty areas, as an accumulation of dust and dirt in the sensing chamber may block the openings and prevent an alarm, or may cause false alarms. If a smoke alarm is required in such an area, vacuum it frequently and test it according to the 'Test' section of the front page of these instructions.
- Where bugs or insects are present. Attempt to eliminate or minimise the bugs or insects by vacuuming the smoke alarm frequently as described in 'Maintenance, Repairs and Service' of these instructions.
- Within 1 metre of electrical noise sources, e.g. fluorescent lights, LED lights and fan motors. Electrical noise may cause nuisance alarms.

Interconnecting Smoke Alarms

- Interconnecting smoke alarms is a method of joining a series of smoke alarms together, so that if one alarm senses smoke, all the connected alarms will operate (alarm).
- A 9 V signal is applied to the interconnect wire (referenced to neutral) to alarm all the other interconnected alarms.
- An optional wireless base (Catalogue No 755RFB2) may be purchased separately if wired connection is not possible.

⚠ CAUTION

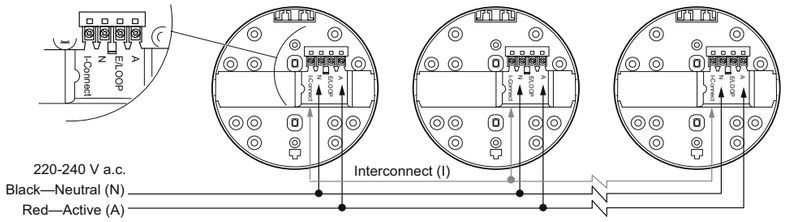
EQUIPMENT INSTALLATION HAZARD

- All interconnected smoke alarms must be supplied from the same circuit.
- A common Neutral must be used for the Interconnect to operate.
- DO NOT connect the Interconnect wire to Active or Neutral.
- Maximum of 40 interconnected smoke alarms.
- Only Clipsal smoke alarms can be interconnected.

Failure to follow these instructions may result in equipment damage or injury.

TERMINAL	
A:	Active / Line
E/LOOP:	Earth or Loop
N:	Neutral
I-Connect:	Interconnect

Max. Interconnected Alarms: **40**
Max. wiring length between first and last alarm: **150 m**

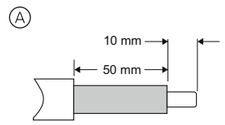


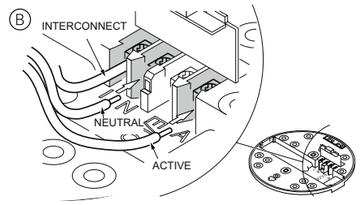
Installation

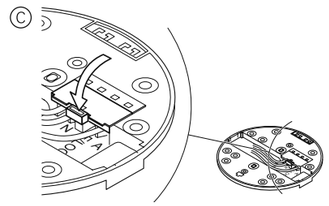
Use a minimum of 1.0 mm² 250 V insulated wire for all wiring, including interconnecting wiring.

1. Strip the Active, Neutral and Interconnect (if used) wires back to the strip length shown in Figure A.
2. Connect the wires to the correct terminals on the base (see Figure B) and ensure the terminal screws are fully tightened.
3. Clip the terminal cover closed to avoid contact with the live terminals. See Figure C.
4. Screw the mounting base onto the ceiling or wall using appropriate fasteners.
5. Clip the smoke alarm on to the base and install the 9 V d.c. battery (see 'Replacing the Backup Battery' on the first page). The smoke alarm base will only close with a battery installed. **Note: Do not attempt to close the base unless a battery is installed.**
6. Turn on the mains power and check that the green and red LEDs function. The Green LED should illuminate to show mains power present. The Red LED will pulse every 40-60 seconds to indicate correct operation and that the 9 V d.c. battery is okay.
7. Press the Test/Hush button to check the alarm works.

Installation is not complete until both LEDs are functioning correctly and the alarm has been checked for correct operation.







Operation and Testing

OPERATION	TESTING
Once the mains power (220-240 V a.c.) is connected and the 9 V d.c. battery is installed correctly, the smoke alarm is operating. **Once Smoke Is Detected** The smoke alarm will sound a loud alarm (85 dB) and the red LED will flash rapidly. This will continue until the air is cleared. **Standby Condition** The red LED flashes once every 40-60 seconds to indicate the smoke alarm and battery are functioning correctly. **Green LED** The green LED is illuminated when the mains power (220-240 V a.c.) is on.	**TEST THE SMOKE ALARM ONCE PER MONTH TO ENSURE PROPER OPERATION** Test by pushing the Test/Hush button on the smoke alarm for three seconds until the alarm sounds. The alarm will sound if all electronic circuitry, horn and battery are working. If no alarm sounds, check the battery is installed the correct way around or replace the battery. If the battery is new and installed correctly and the alarm still doesn't sound, replace the smoke alarm. If the smoke alarm is installed in a mobile home, test weekly and after every journey. **IMPORTANT:** If premises are unoccupied for a period of time (more than a few days) then a battery test should be undertaken upon return. If the low battery warning sounds, test and replace the battery if necessary. • **Never use an open flame of any type to test your alarm.** • **Check that all interconnected smoke alarms operate during the test.**

Important information: After the Test/Hush button has been pressed, wait 10 minutes before any additional testing is conducted to avoid any false alarm responses as product has reduced sensitivity during this period. Refer to 'Hush or Silence Feature' on the frist page.